



Aviation Education News



Distributed Quarterly to Promote Aviation Education and Awareness in Virginia

February 2005

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Apply for the John R. Lillard VAOC Scholarship

Applications are now being accepted for the 2005 John R. Lillard VAOC Scholarship Program. Applicants for this \$3,000.00 scholarship must be a Virginia high school senior, have at least a 3.75 unweighted GPA, be planning a career in the field of aviation, and must be enrolled or accepted into an aviation related program at an accredited college.

In order to apply:

- Complete an application form (available on page 3 or at www.doav.virginia.gov).
- Have your guidance counselor or other high school official sign all required certifications.
- Attach an official copy of your current high school transcript and a copy of acceptance letters or other verification of enrollment or acceptance into a post secondary institution.
- Attach to the application a typed, double-spaced essay (350 word minimum/500 word maximum) on the subject: "Why I Wish to Pursue a Career in Aviation."
- Attach recommendation letters (no more than three) and a typed (one-page maximum) sheet listing both school-related and extracurricular activities demonstrating accomplishments and leadership capabilities.
- Mail all documents to: VAOC Scholarship, c/o Virginia Department of Aviation, Attn: Betty Wilson, 5702 Gulfstream Road, Richmond, VA 23250-2422.



The deadline for receipt of applications with all documentation is Friday, February 18, 2005. Applications will be evaluated as follows: 35% Scholarship (GPA), 30% Essay, 20% Accomplishments and Leadership and 15% demonstrated financial need for scholarship.

Bryan O. Elliott, A.A.E., Chairman, 2005 John R. Lillard VAOC Scholarship Committee --

"The scholarship you are seeking is named for a friend, aviation enthusiast and great humanitarian. Through his leadership positions with the Capital Region Airport Commission (which operates Richmond International Airport), Chesterfield County Airport, and Eastern Airlines, John always displayed a zeal and thirst for life, aviation, family and friends. Because of his great spirit, we seek to share and commemorate his unique and special gifts with others. It is also through the kind and generous support of many of the members of the VAOC (*Virginia's airport managers and sponsors, ed.*) that this scholarship program is available to assist future aviation leaders as well as honor John. To this end, I am honored that you are contemplating applying for our 2005 scholarship award."

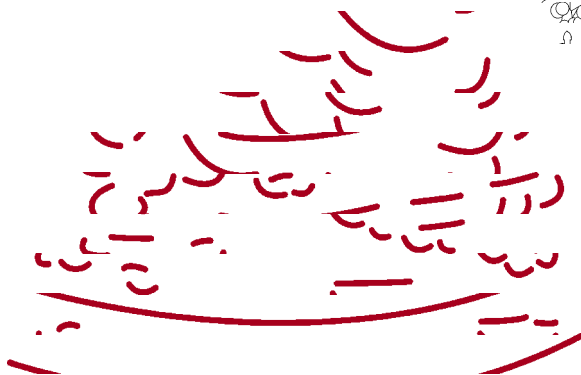
PRESIDENT'S NOTES

The NASA Langley Research Center's Office of Communication & Education (OCE) is working in collaboration with the Virginia Department of Aviation which is an excellent way to maintain two-way communication between federal and state aviation education concerns.

I have just returned from Reno, Nevada where I attended the American Institute for Aeronautics and Astronautics (AIAA). I assisted in forming their latest education venture, Precollege Programs. The other main topic I wanted to share was for engineers, scientists and researchers to make science fun. Become an "Educator Associate" which will bring new energy into the classroom. The benefits are as follows: Participation in local AIAA activities, attend AIAA conference free, tap into AIAA clearinghouse of aerospace information, gain recognition for efforts in education and lastly, qualify for up to a \$200 grant to push your science, math, or related academic agenda forward. They have developed innovative programs for obtaining an AIAA Foundation Education Classroom Aid Grant. For information contact: Lisa Bacon, (800) 639-AIAA, ext. 527 (703) 264-7527, Fax: (703) 264-7551, E-mail: lisab@aiaa.org.

This year, sponsored by AIAA/ASME/SAE/ASEE, there is going to be a Teacher/Engineer Conference to be held in Tucson, AZ, July 11-13, 2005. The teacher workshop areas are as follows: Rocket-design-Bottle Rockets, Kites, LTA-Hot Air Balloons, Aviation-Centennial of Flight, Aviation-Simulation, Aerospace – Teamwork & preparation for a Space Mission, Aeronautical Design – future X craft, Weather – Forecasting, NOAA using satellites, GPS – User and Geocoaching, Robotics – Mars exploration with First LEGO League. As soon as a web site is available for the application, I will provide it here.

Peter D. Thomas
(ViGYAN, Inc.)
Aerospace Education Programs Manager
Office of Education
NASA Langley Research Center



VASEF AVIATION EDUCATION NEWS is published quarterly in support of aviation education in the Commonwealth of Virginia by the Virginia Department of Aviation.

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VASEF NEWS Editor: Betty Wilson

Please send story ideas, photographs, calendar events, and other items for possible inclusion to:

Betty Wilson
Virginia Department of Aviation
5702 Gulfstream Road
Richmond, Virginia 23250-2422
(804) 225-3783
(804) 236-3635 (FAX)
betty.wilson@doav.virginia.gov (E-mail)
<http://www.doav.virginia.gov> (Web site)



VASEF PURPOSE

The Forum is a non-profit organization to promote and foster aviation and space education among public and private schools, colleges and universities, and community and civic groups, and to promote increased public understanding of aviation and space and their economic, social, and career values in our society and in the Commonwealth of Virginia.



Virginia Airport Operators Council

John R. Lillard

Aviation Scholarship Program Application

Award Amount: \$3,000.00

Deadline for Application: Friday, February 18, 2005

Applicant Information:

Name: _____ Home Phone: (_____) _____

Mailing Address: _____

High School Information:

Name of High School: _____

Address: _____

Telephone Number: (_____) _____ Date of Graduation: _____

High School Certification:

As verified by the attached high school grade transcript, I hereby certify that the above named student has maintained at least a 3.75 GPA in all completed courses to date.

Name and Title of High School Official (Typed or Printed)

Signature and Date

Post Secondary Acceptance Certification:

As verified by enclosed documentation, I hereby certify that the above named student is enrolled in or accepted for enrollment in the

_____ program at _____
(Accredited institution)

Name and Title of High School Official (Typed or Printed)

Signature and Date

Statement of Financial Need:

Describe why you need this scholarship: _____

50th Anniversary of Space and Missiles Essay Contest

..... Sponsored by The Aerospace Education Foundation

Anniversary

2004 is the 50th anniversary of the creation of U.S. Space and Missile Command. In celebration, the Aerospace Education Foundation would like you to tell us about the planet you would most like to visit and why.

Prizes will be awarded in the following grade categories: 4-6 grade, 7-8 grade and 9-12 grade.

Prizes

Up to fifty applicants will be selected to receive full scholarships to attend U.S. SPACE CAMP during the Summer 2005. This scholarship includes full tuition and round trip airfare for the winners. Winners will be notified no later than March 15, 2005.

For more information contact:

The Aerospace Education Foundation
ATTN: Ann Sagle
(800) 291-8480 extension 4769
E-Mail: ASagle@aef.org

Rules

THEME FOR THE CONTEST:

“What Planet Would You Most Like To Visit and Why?”

Write an essay about a planet you would like to visit and include the following:

- * Why do you want to visit this planet?
- * How would you get there?
- * Who would you take with you (if anyone) and why?
- * What would you see and do when you arrived?
- * How would you survive on your chosen planet?
- * How would you get back home?
- * What benefit to mankind does your trip have? What can we learn from your planetary visit?

Format

The required format is typewritten, double spaced, single sided. (For 4-6 grades, entries may be typed or legibly handwritten.)

4-6 Grades: no less than 500 words

7-8 Grades: no less than 1000 words

9-12 Grades: no less than 1500 words

Eligibility

All children in the above specified groups are encouraged to participate.



Address for Entries

All entries should be compiled by teachers and sent with an Essay Contest Submission (see page 5) form to:

Aerospace Education Foundation
ATTN: Essay Contest
1501 Lee Highway
Arlington, Virginia 22209

Entries become the property of the Aerospace Education Foundation and will not be returned. All entries must be received at the Aerospace Education Foundation by February 11, 2005.

Finalists in each age classification will be invited to attend U.S. SPACE CAMP during Summer 2005.



National Air and Space Museum Calendar

Wednesday, February 16, 2005, 12:00 - 12:15 p.m.

Curator's Choice

The Lure of Progress

Communications Satellites in Africa
Martin Collins

Wednesday, February 23, 2005, 12:00- 12:15 p.m.

Curator's Choice

African-American Engineers and the Turbofan

The GE CF6 Engine
Jeremy Kinney

Wednesday, March 02, 2005, 12:00-12:15 p.m.

Airline Pilot

A Good Job for a Woman
Dorothy Cochrane

Wednesday, March 09, 2005, 12:00-12:15 p.m.

Curator's Choice

Recruiting Women for Space

Sally Ride's STS-7 Suit
Margaret Weitekamp

Wednesday, March 16, 2005, 12:00- 12:15 p.m.

Curator's Choice

Harriet Quimby and Matilde Moisant
Daniel Hagedorn

Wednesday, March 23, 2005, 12:00- 12:15pm.

Curator's Choice

Postcards from Mars

Images from the Mars Orbiter Camera (MOC)

Rebecca Williams

Wednesday, March 30, 2005, 12:00- 12:15 p.m.

Curator's Choice

Norman Rockwell's "Beyond Apollo 11"
Tom Crouch

Now Open:

**National Air and Space Museum
Steven F. Udvar-Hazy Center**

Located at the Washington Dulles International Airport, the Udvar-Hazy Center will house 200 aircraft and 135 large space artifacts including the Space Shuttle Enterprise, SR-71 Blackbird, and B-29 Superfortress Enola Gay.

For more information visit:
www.nasm.si.edu

ESSAY CONTEST SUBMISSION FORM

FORMAT: The required format is typewritten, double spaced, single sided. (For 4-6 grades, entries may be typewritten or very legibly handwritten.)

MARKINGS: The following information should be clearly shown on the back of each page of the essay:

Title of Essay _____

First Name _____

Last Name _____

Address _____

City _____ State _____

Zip Code _____ Phone _____

Date of Birth _____ Grade _____

Parent or Guardian _____

E-Mail _____

Name of school which child attends _____

School Address (include Zip) _____

Teacher _____ Principal _____

School Phone _____

Certificate of Authenticity Stating:

"I/we certify that this is an original and unassisted work of" _____

Certificates must be signed by the entrant's teacher, parent or guardian

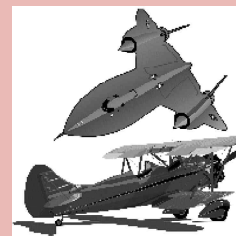
Signature of teacher, parent or guardian

2005 International Aviation Art Contest

The postmark deadline for the 2005 International Aviation Art Contest was Monday, January 10, 2005. Judges from the American Society of Aviation Artists (ASAA) evaluated art submitted with the theme "Create an Air Show Poster: More Than 100 Years of Human Flight." Look for the winning artwork in the May issue of the VASEF Newsletter.

2005 Teachers Grant Program

Applications for the 2005 Aviation Teachers Grant Program, offered by the Virginia Department of Aviation, are being evaluated now and Virginia educators selected to receive a grant of up to \$250.00 notified. Learn more the lessons these educators plan to teach in the May issue of the VASEF Newsletter.



The Virginia Aviation Museum

February 5, 2005

Outta Sight Flight. Girl Scouts, earn your Junior Aerospace Activity badge. Explore early air travel, how things fly, women in aviation and space exploration. Fee and registration required.

February 15 & 17, 2005

Tuskegee Airmen Stories. Meet members of this inspirational group of men and hear exciting stories about their history-making service to our country during World War II.

February 17, 2005

Guest Speaker Series. Meet Howard Baugh, a member the history-making Tuskegee Airmen of World War II. Baugh flew a P-40 and a P-51 in the first all-black flying unit of the U.S. Army Air Forces. Free. 7 p.m.

March 12, 2005

Ultralight Safety Seminar. Hear the experts discuss safety techniques, maintenance and other factors in flying ultralights. For more information call (804) 236-3637.

March 17, 2005

Guest Speaker Series. For Women's History Month Mary Feik describes her experiences as a woman in the male-dominated field of aircraft maintenance. Free. 7 p.m.

The Virginia Aviation Museum is located at the entrance to Richmond International Airport. For additional information on museum hours and programs call (804) 236-3622.

The Dr. Mervin K. Strickler Jr. Aerospace Education Award Nomination Form	
The National Coalition for Aviation Education established the Dr. Mervin K. Strickler Jr. Award to honor Dr. Strickler and recognize individuals or organizations that share his personal commitment and lifelong contributions to aerospace education. Dr. Strickler has promoted aerospace education for more than 50 years and is considered to be the "Father of Aerospace Education." Please use this form to submit your nomination.	
Nominee's Name	Phone:
Address	
City, State, Zip	
Email:	Fax:
Nominator's Name	Phone:
Address	
City, State, Zip	
Email:	Fax:
Attach written documentation supporting your nomination, not to exceed three typewritten pages. Deadline for nomination package: postmark no later than April 30, 2005.	
Send nomination package to: Shelia Bauer Federal Aviation Administration Aviation Education Programs 12 N. E Executive Park Burlington, MA 01803	

See the article on page 7 for more information

Dr. Mervin K. Strickler, Jr. Aerospace Education Leadership Awards

The National Coalition for Aviation Education (NCAE) represents government, industry, and aviation special interest groups united to promote aviation education activities and resources; increase public understanding of the importance of aviation; and support educational initiatives at the local, state, and national levels.

In 1995, NCAE established the Dr. Mervin K. Strickler Jr. Award to honor Dr. Strickler and recognize individuals or organizations that share his personal commitment and lifelong contributions to aerospace education. Dr. Strickler has promoted aerospace education for more than 50 years and is considered the "Father of Aerospace Education."

Nominees may include educators, state aviation officials, fixed base operators, state superintendents of public instruction, members of armed forces, members of Congress, or other individuals who demonstrate outstanding aviation and space education leadership through a noteworthy achievement and/or made significant contributions to the aerospace field over a continuous period of time.

Nominations must include name, address, and telephone number of both the nominee and the nominator, and written documentation (not to exceed three total typewritten pages) supporting the nomination. This may include any honorable awards, achievements, or certificates earned. Also, please provide a brief biography for the nominee. The primary evaluation factor will be evidence of personal effort promoting the aerospace industry to the general public and recognition by industry peers of the nominee. Nominations must be postmarked no later than April 20, 2005.

Nominations should be postmarked by April 30, 2005 and mailed to:

**Shelia M. Bauer
Federal Aviation Administration
National Aviation Education Programs
12 New England Executive Park
Burlington, Massachusetts 01803**

SPACE DAY 2005

The theme of Space Day 2005 is **Return to the Moon**. Visit www.spaceday.org for all the details of this year's events.

Space Day was first held in 1997. Taking place the first Thursday of each May, it is dedicated to the extraordinary achievements, benefits and opportunities in the exploration and use of space. The ultimate goal is to promote math, science, technology and engineering education by nurturing young peoples' enthusiasm for the wonders of the universe and inspiring them to continue the stellar work of today's space explorers.

Space Day events have taken place in 21 countries around the world. It benefits from more than 75 official Partners, and nearly a billion people have learned about it because of widespread media support.

SCIENCE MUSEUM OF VIRGINIA CALENDAR

EXHIBITIONS

Mary Morton Parsons Earth-Moon Sculpture (kugel) - Permanent
Bones: An Exhibit Inside You (thru May 1)

IMAX FILMS

Forces of Nature (thru March 17)
Shackleton's Antarctic Adventure (thru Mar 17)
Bugs (thru May 20)
Mystery of the Nile (Mar 19-May 20)

MULTIMEDIA SHOWS

Gas Giants (thru Jun 12)

FUNSTEN SCIENCE LECTURE SERIES

Earth, Moon, Mars, and Beyond ... Exploration in the 21st Century (March 16-April 6) 7:00 - 8:30 p.m. Free

LIVESKY: Informal "live" planetarium presentation of the month's celestial events. Third Friday of every month (except Oct.)

SKYWATCH: Third Friday of every month (weather permitting) on the front lawn.

24-Hour Information: (804) 367-0000
Box Office: (804) 367-1080
24-Hour Skywatch Information: (804) 367-8277
24-Hour TDD Information: (804) 367-9760
General Information - TDD: (804) 367-6552
Group Scheduling: (804) 367-6552
Home Page: <http://www.smv.org>

VIRGINIA AIR AND SPACE CENTER CALENDAR

EXHIBITS:

Adventures in Flight Gallery

TRAVELING EXHIBITS:

Aliens: Worlds of Possibilities (thru May 1)

IMAX FILMS:

The Polar Express 3-D
Fighter Pilot: Operation Red Flag
Aliens of the Deep

SIGMA SERIES LECTURES

An Hour of Spectacular Visualization
Fritz Hasler, February 1, 2005

Progression of Einstein's Theory to Technology of Today
Hans von Baeyer, March 1, 2005

LIVE SCIENCE DEMONSTRATIONS

Star Station One: International Space Station
Learn about the International Space Station.

Call (804) 727-0900 for showtimes

Visit the Center's Home Page:
<http://www.vasc.org>

Calendar of Events

March 12, 2005

Ultralight Safety Seminar will be held at the Virginia Aviation Museum.

April 12-18, 2005

Sun 'n Fun Fly-In will be held in Lakeland, Florida. For more information visit www.sun-n-fun.org.

April 19, 2005

Virginia Aviation Board Workshop will be held beginning at 3:00 p.m. Visit www.doav.virginia.gov for more information.

April 20, 2005

Virginia Aviation Board Meeting will be held beginning at 9:00 a.m. Visit www.doav.virginia.gov for more information.

May 14-15, 2005

Langley Air Force Base Air Show featuring the United States Air Force Thunderbirds. Visit www.langleyafbairshow.com for more details.

May 20-22, 2005

Andrews Air Force Base Air Show featuring the United States Air Force Thunderbirds.

For more events visit: <http://www.doav.virginia.gov/calendar.htm>.

Aviation Education Supporters:

VASEF projects are funded by our membership fees and by donations from our member organizations. We would appreciate your support through membership in our organization.

_____ Regular Membership \$25.00 annually (July - Dec. \$12.50)

_____ Non-Profit Organization \$25.00 annually (July - Dec. \$12.50)

_____ Corporate Membership \$100.00 annually (July - Dec. \$50.00)

_____ New Member _____ Renewal

Date: _____

Name: _____

Name of Organization: _____

Occupation: _____

Address: _____

City: _____ State _____ Zip _____

Telephone _____

Please Return to: Tom Tyndall, VASEF Treasurer
5702 Gulfstream Road
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Inside:

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AEF Essay Contest

Please Post for Teachers